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L1	150	703/2.ccls. and @pd>"20071001"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/02/08 12:57
L4	38	(fir or (finite adj impulse)) and (maximal\$3 near flat) and @ad<"20021101"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/02/08 13:06


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[S Samadi](#)
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[A Averbuch](#)

[Universal maximally flat lowpass FIR systems - all 9 versions »](#)

S Samadi, A Nishihara, H Iwakura - Signal Processing, IEEE Transactions on [see also Acoustics, ...], 2000 - [ieeexplore.ieee.org](#)

... flat filters proposed by Baher is a universal family of **maximally flat FIR** filters. ... of the computer-generated proof is a three-term **recurrence** relation for the ...

Cited by 14 - [Related Articles](#) - [Web Search](#)

[Maximally flat low-pass digital differentiator - all 4 versions »](#)

IW Selesnick - Circuits and Systems II: Analog and Digital Signal ..., 2002 - [ieeexplore.ieee.org](#)

... $HFB(e^{j\omega}) = j\omega$; $|j\omega| < : (1)$ The **maximally flat FIR** approximation to the ideal differentiator satisfies the derivative constraints ...

Cited by 14 - [Related Articles](#) - [Web Search](#)

[Optimal design of maximally flat FIR filters with arbitrary magnitude specifications - all 2 versions »](#)

LR Rajagopal, SCD Roy - Acoustics, Speech, and Signal Processing [see also IEEE ...], 1989 - [ieeexplore.ieee.org](#)

... fact—An optimal design procedure for **maximally flat FIR** filters, based on the Bernstein polynomial, is proposed. Using a set of **recurrence** relations, this ...

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[Matrix approach for the coefficients of maximally flat FIR filter transfer functions expressed in ... - all 3 versions »](#)

TOC View - Electronics Letters, 1987 - [ieeexplore.ieee.org](#)

... forms a complete set of **recurrence** relations for any order [Q]. It is worth ... 4

RAJAGOPAL,

LR, and DUTTA ROY, s. c. : 'Design of **maximally flat FIR** filters using ...

Cited by 2 - [Related Articles](#) - [Web Search](#)

[Filter-generating systems - all 3 versions »](#)

S Samadi, A Nishihara, H Iwakura - Circuits and Systems II: Analog and Digital Signal ..., 2000 - [ieeexplore.ieee.org](#)

... We need to carry out the **recurrence** up to $n_x = i$ to realize the filter ... of Section III, the system can be used to implement any desired **FIR maximally flat** filter ...

Cited by 4 - [Related Articles](#) - [Web Search](#)

[Generalized digital Butterworth filter design - all 23 versions »](#)

IW Selesnick, CS Burrus - Signal Processing, IEEE Transactions on [see also Acoustics, ...], 1998 - [ieeexplore.ieee.org](#)

... class of infinite impulse response (IIR) digital filters that unifies the classical digital Butterworth filter and the well-known **maximally flat FIR** filter ...

Cited by 18 - [Related Articles](#) - [Web Search](#)

[Simultaneous amplitude and phase approximation for FIR filters - all 3 versions »](#)

F Leeb, T Henk - Circuits and Systems, 1988., IEEE International Symposium on, 1988 -


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- ☐ 1. **Frequency estimation by demodulation of two complex signals**
 Akke, M.;
[Power Delivery, IEEE Transactions on](#)
 Volume 12, [Issue 1](#), Jan. 1997 Page(s):157 - 163
 Digital Object Identifier 10.1109/61.568235
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- ☐ 2. **The uniqueness in designing multidimensional causal recursive digital filter magnitude hyperspherical symmetry**
 Liu, X.; Bruton, L.T.;
[Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transactions on](#)
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- ☐ 3. **Design of efficient FIR filters for the amplitude response: $|1/\omega|$ by using**
 Kumar, B.; Kumar, A.;
[Signal Processing, IEEE Transactions on](#) [see also [Acoustics, Speech, and Signal Processing, IEEE Transactions on](#)]
 Volume 47, [Issue 2](#), Feb. 1999 Page(s):559 - 563
 Digital Object Identifier 10.1109/78.740144
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(220 KB) IEEE JNL
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- ☐ 4. **A method of designing optimal wavelet filter banks**
 Peng Zhiwei; Wang Bo; Liao Guisheng;
[Signal Processing Proceedings, 1998. ICSP '98. 1998 Fourth International Conference on](#)
 12-16 Oct. 1998 Page(s):253 - 256 vol.1
 Digital Object Identifier 10.1109/ICOSP.1998.770200
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- ☐ 1. Closed-form design of generalized maximally flat low-pass FIR filters us
Peng-Hua Wang; Soo-Chang Pei;
[Acoustics, Speech, and Signal Processing, 2000. ICASSP '00. Proceedings. : Conference on](#)
Volume 1, 5-9 June 2000 Page(s):472 - 475 vol.1
Digital Object Identifier 10.1109/ICASSP.2000.862017
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- ☐ 2. A design method of low delay lowpass FIR filters with maximally flat cha
passband and the transmission zeros in the stopband
Aikawa, N.; Sato, M.;
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- ☐ 4. Efficient and multiplierless design of FIR filters with very sharp cutoff vi
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